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Inland Transport Committee

World Forum for Harmonization of Vehicle Regulations

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Item 4.7.1 of the provisional agenda
1958 Agreement:
Consideration of draft amendments
to existing UN Regulations submitted by GRPE

Proposal for Supplement 10 to the 05 series of amendments to UN Regulation No. 49 (Compression ignition and positive ignition (LPG and CNG) engines))

Submitted by the Working Party on Pollution and Energy*

The text reproduced below was adopted by the Working Party on Pollution and Energy (GRPE) at its seventy-sixth session (ECE/TRANS/WP.29/GRPE/76, para. 23). It is based on ECE/TRANS/WP.29/GRPE/2018/9. It is submitted to the World Forum for Harmonization of Vehicle Regulations (WP.29) and to the Administrative Committee AC.1 for consideration at their June 2018 sessions.

* In accordance with the programme of work of the Inland Transport Committee for 2018–2019 (ECE/TRANS/274, para. 123 and ECE/TRANS/2018/21, Cluster 3.1), the World Forum will develop, harmonize and update UN Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

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Supplement 10 to the 05 series of amendments to UN Regulation No. 49 (Compression ignition and positive ignition (LPG and CNG) engines))

Paragraph 5.2.3.1., amend to read:

"5.2.3.1. The specific mass of the oxides of nitrogen measured at the random checkpoints within the control area of the ESC test shall not exceed by more than 10 per cent the values interpolated from the adjacent test modes (reference Annex 4A, Appendix 1, paragraphs 5.6.2. and 5.6.3.) or the limit values in Table 1 in paragraph 5.2.1., whichever is greater."

Annex 6, insert a new paragraph 5., to read:

"5. Rounding

The final test result shall be rounded to the number of places to match the number of decimal places of the applicable emission standard. No rounding of intermediate values leading to the final break-specific emission result is permitted."